The Nation's Chemical & Biological Defense Proving Ground
DPG

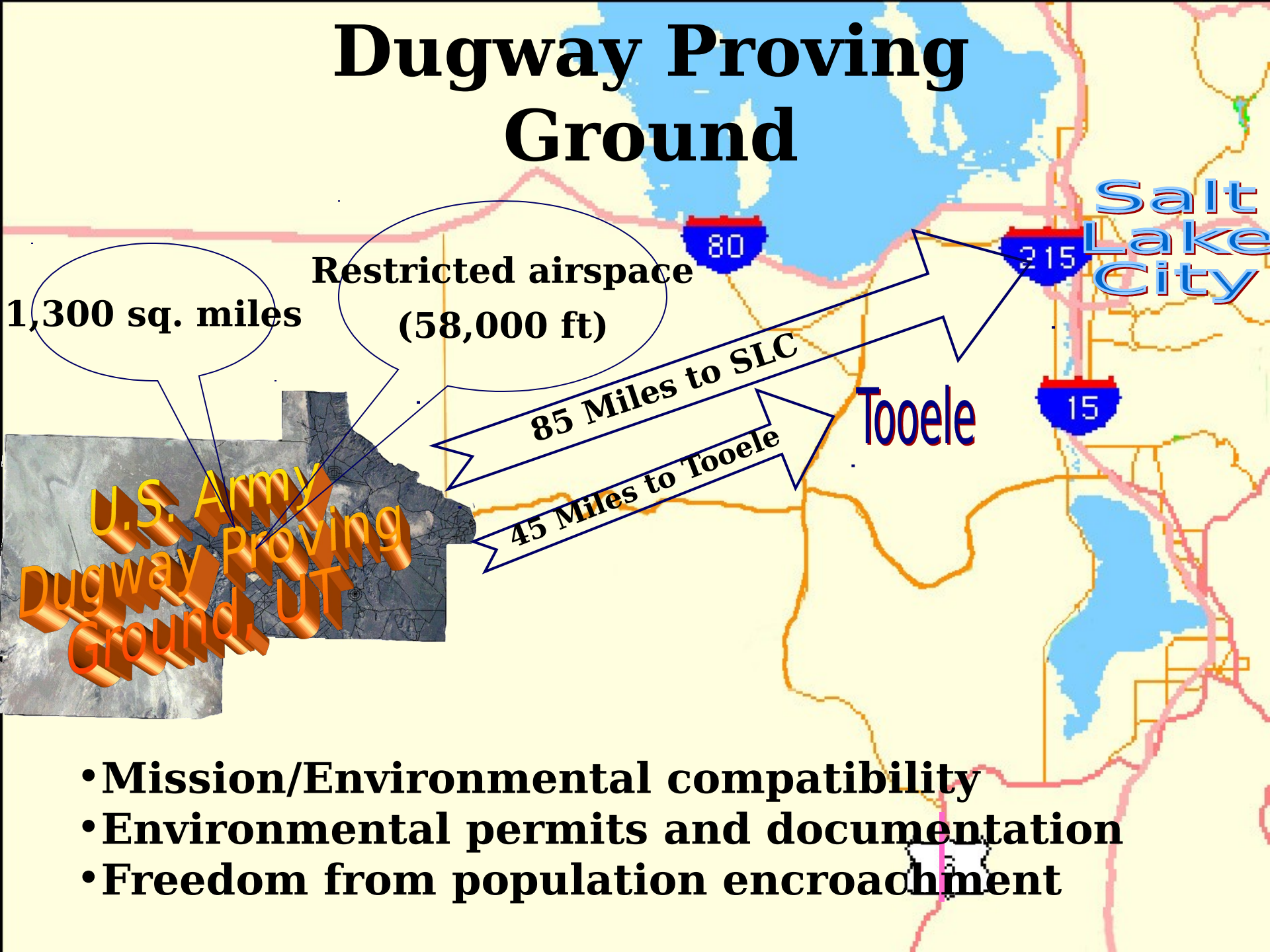
U.S. Army Dugway Proving Ground, UT

and the

West Desert Test Center

Michael Glass, Ph. D.
Chief, Special Programs Division

Dugway Proving Ground



- Mission/Environmental compatibility
- Environmental permits and documentation
- Freedom from population encroachment

Command Structure

Command Relationship

rmy Test & Evaluation Command

Developmental Test Command

RTTC | ATTC | WSMR | YPG | ATC | DPG

Dugway Proving Ground

West Desert Test Center | Base Support | Special Staff | Tenant Units

COR

Program Analysis | NEPA Doc

Munitions | Test Technology | Test Operations | Life Sciences | Chemical Test | Meteorology | Special Programs

WDTC Mission

- Testing chemical/biological (C/B) defense material
- Applied research to develop new methods for C/B Defense
- Verification/validation of C/B defense models, war fighters TTPs
- Reach-back utilizing C/B defense scientists
- Hands-on training with Live Agents & C/B simulants
- Full mission profiles with C/B simulants in live-fire scenarios
- Program manager for Army RDT&E meteorology
- Program Manager Joint Operational Testing, O49

Infrastructure

Labs

Reginald Kendell Combined Chemical Test Facility

Kuddes Operations Center

Lothar Salomon Life Sciences Test Fa

Chambers

Melvin Bushnell Materiel Test Facility

Defensive Test Chamber

Michael Army Airfield

Special Programs Division

- Unique mix of operational and technical personnel
- Small Division, matrix management
- Extensive cross-training
- Focus on customer interface (user)
- Specialize in advanced training, exercises and operational testing

SOF
CBRNE Training

- Capable of chemical, biological & radiological exercises based on unit objectives
- Exercise Scenarios: Terrorist use of WMD's
- Detection & analysis conducted with actual threat biological and chemical agents in laboratories
- Improvised explosive devices and dissemination devices
- Validated decon training
- Full mission training with sampling sc

SOF Conventional Training

- Conduct Air/Ground deployment of unit equipment & personnel – full mission profiles
- Desert warfare and live-fire training ranges
- Land navigation and off-road vehicle mobility
- Unmanned aerial vehicles
- HAHO, HALO jumps (6 drop zon
- Close Air Support (CAS) ranges

Field Training Programs

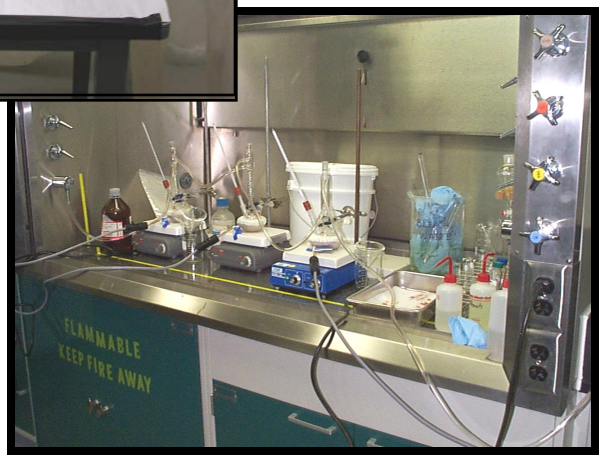
- Tailored to unit objectives
- Use of simulated CBW agents with unique disseminations
- Realistic scenarios with role players
- Interim and formal After Action Reviews (AAR's)
  - Exercise video
  -
- Re fidential

Training Ranges

- 1,300 square miles of controlled access, multipurpose grid areas & facilities
- Certified to train with C/B simulants
- Validate tactics, techniques, & procedures
- Reconnaissance missions
- Direct Action (DA) missions
- Close air support missions

4511 ft above sea level, high UV index, low humid

Chem/Bio Facilities



- Classroom Instruction/ challenging practical scenarios
- Use of C/B Simulants
- Enhanced realistic functional terrorist/State-sponsored labs
- Identify equipment used for production
- Sample collection & identification

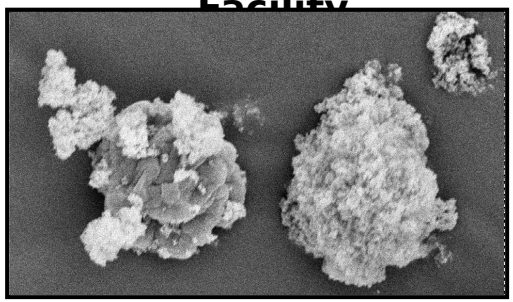
Laboratory Training

- Hands-on training in laboratories and chambers
- Use of live agents for detection and decontamination

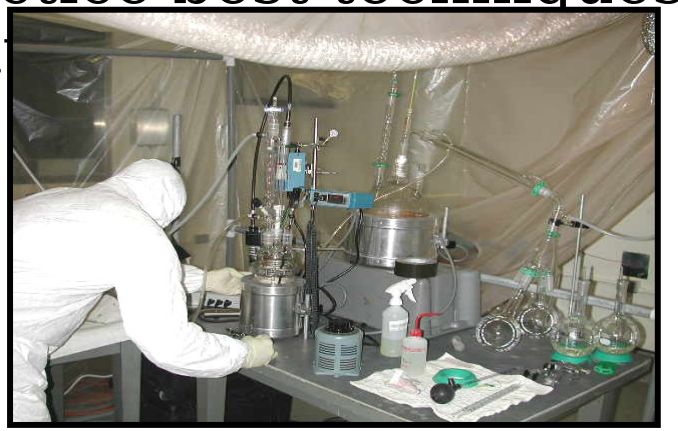
Chemical and Biological Survey Course

Combined Chemical Test Facility

Life Sciences Test Facility

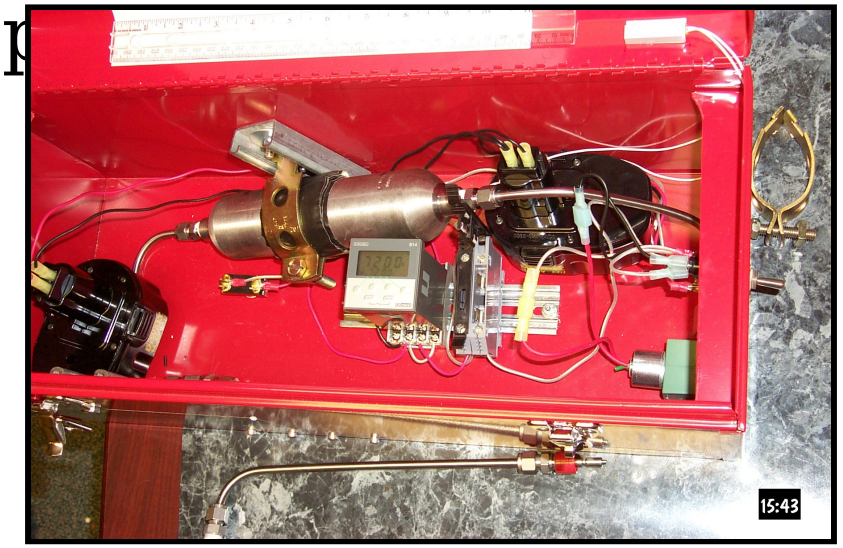


- 4 day course
- Repeated sampling of C/B agents (BSL3, dilute chemical agents, & Simulants)
- Focus is on presumptive detection, sampling, sample preparation & sample tracking
- Team members will learn and practice best techniques of con



Off Site Capabilities

- Mobile Training Teams (MTT)
  - Classroom
  - Setting up realistic C/B Lab scenarios
  - Decontamination (EPDS) Practical
  - Functional C/B Dissemination Devices

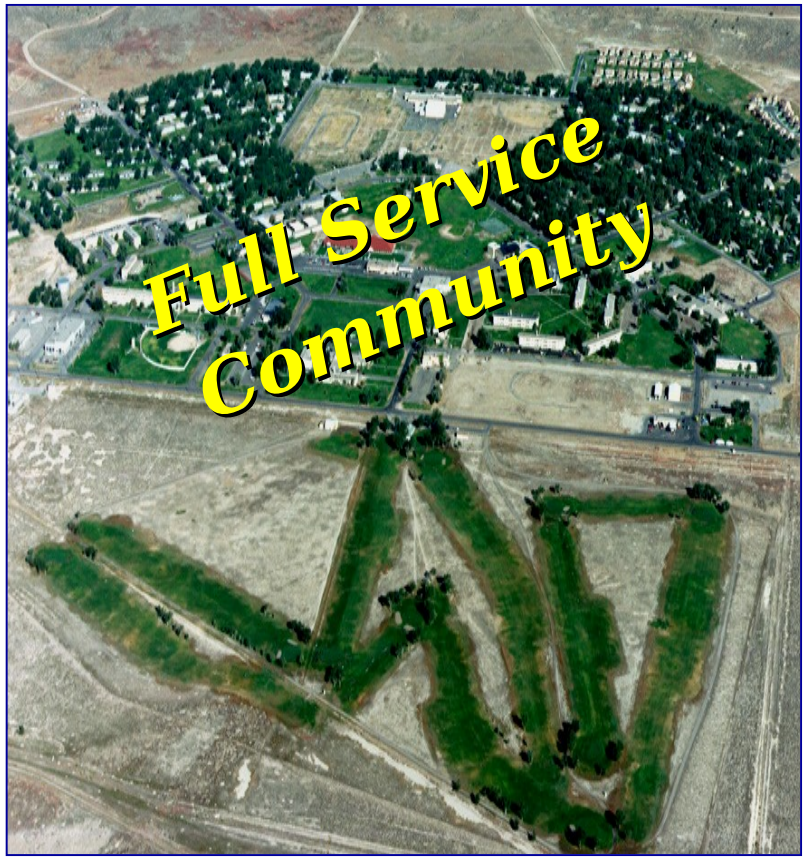


Kuddes Operations Building

- Secure working area
  - SIPRNET
  - SCAMPI
- C/B Technical Library
  - Documents from 1914 to present
- Multipurpose Control Center
  - Test & Training Mission Support Facility
  - Reach back capabilities
  - Centralized Voice/Data/Video Communications (VTC)

Logistical Support

- **Ground transportation and vehicle support**
- **Medical and Emergency Services**
  - 24/7 Clinic, and Aid Stations
  - Level 3 Trauma Center Medevac
- **Billeting**
  - VIP Accommodations
  - Barracks
  - Community Club, Commissary
- **Recreation**
  - Golf
  - Bowling
  - Theater
  - Exercise Facility

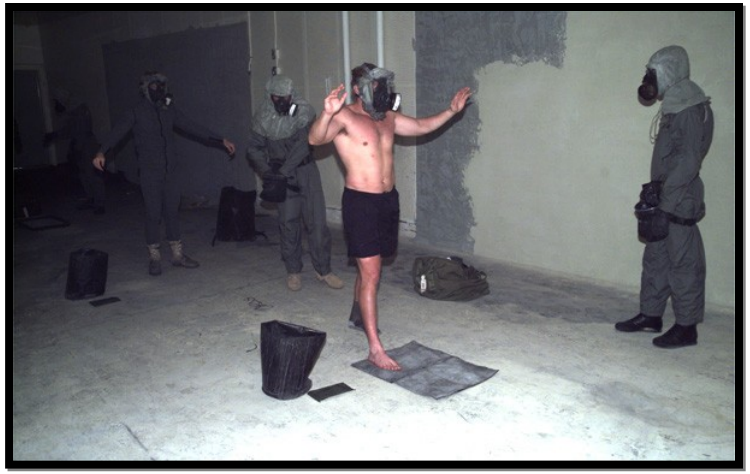


SPD Testing

- Operational Testing
  - O49 Program
  - ACTD's
    - RestOps
    - CASPOD
    - WMD CI
    - Others
- SOCOM Testing
  - Protection, Detection, Decontaminati

SOCOM Testing

- Protective Equipment
  - MCPE
  - JSLIST
  - Gloves
  - Socks
  - Collective
- Decontamination
  - EPDS (Biological and Chemical)
  - Biological agent neutralization
  - Chemical agent neutralization
  - Equipment decontamination
- Process equipment disruption
- Detection
  - Operational assessments



O49 Program

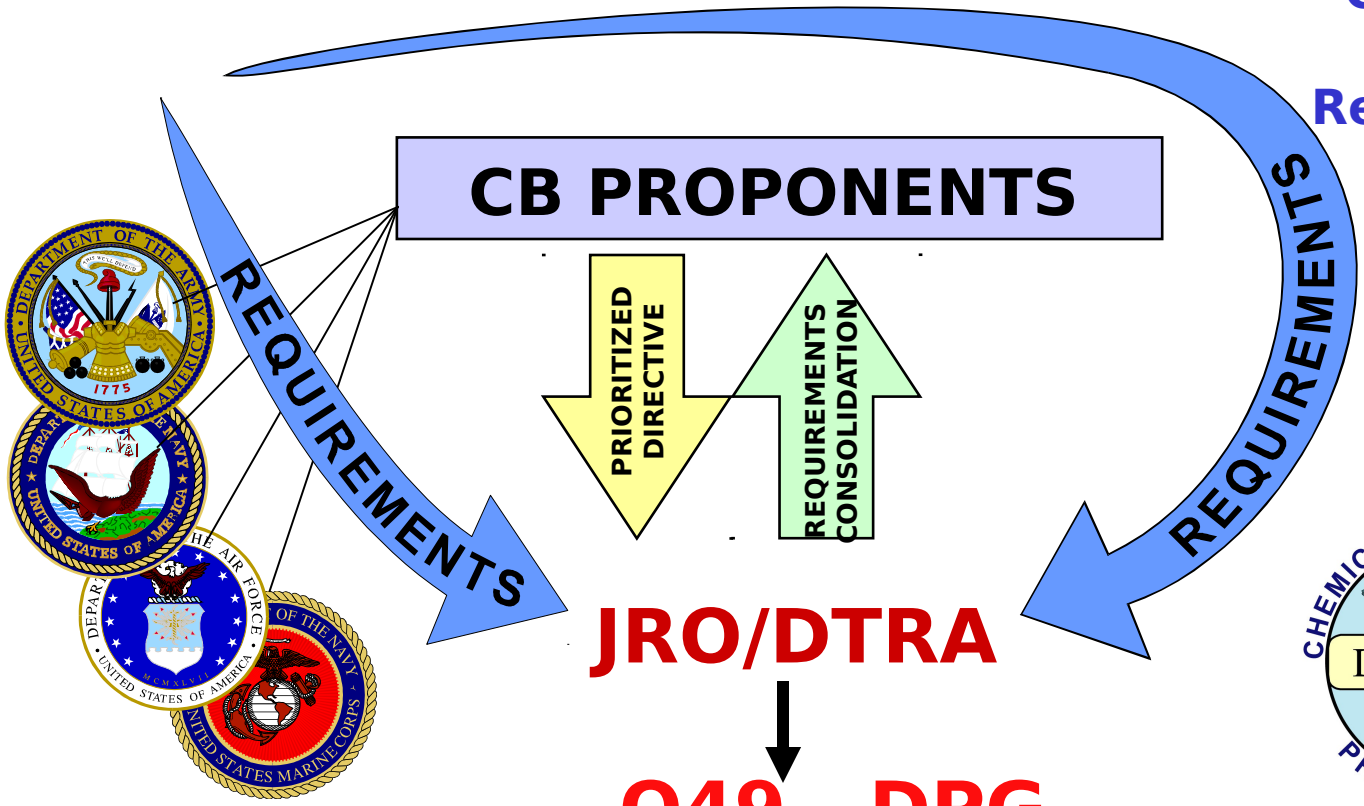
- Joint Service Program
  - Funded by OSD thru DTRA/CB
  - Based at WDTC at DPG, UT
- Asset to Combatant Commands/Services ($3M/yr)
- Joint Contact Point for C/B data

Requirements Process

Combatant Commands

EU | PA | SOC | JF | SO | CENT | ST | TR | SP

Oversight: DTRA CB Requirements: JRO



The Nation's Chemical & Biological Defense Proving Ground

Summary

- Dugway Proving Ground has credibility and experience in chem/bio defense (Over 50 Years)
- Dugway is approved for open air release of chemical & biological simulants
- Operationally-focused subject matter experts
- Opportunity to gain equipment confidence by live agent challenges
- “One Stop” Total Training/Oper[illegible] opportunity

Michael Glass, Ph.D.

Chief

Special Programs Division

Ph. 435-831-3088

mglass@dpg.army.mil

Carl Jorgensen

Chief

Test Management Branch

Special Programs Division

Ph. 435-831-7158

jorgenc@dpg.army.mil

Randy Gibson

Chief

Training, Exercises and